

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

# **NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Sol-A-Trol Aluminum Products, Inc. 4101 NW 132<sup>nd</sup> Street

Opa Locka, FL 33054

#### Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series Unclipped Aluminum Zero, Custom & Tube Mullion - L.M.I.

APPROVAL DOCUMENT: Drawing No. M08-04, titled "Unclipped Alum Zero & Tube Mullion", sheets 1 through 10 of 10, dated 09/05/08, with revision "C" dated 02/13/13, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

#### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 10-0511.05 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



Jan 5/2/13

NOA No. 13-0206.09 Expiration Date: October 13, 2015 Approval Date: May 09, 2013

Page 1

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA No. 09–1228.06)
- 2. Drawing No. W08-04, Sheets 1 through 10 of 10, titled "Unclipped Alum Zero & Tube Mullion", dated 09/05/08, with revision "C" dated 02/13/13, prepared by Al-Faroog Corporation, signed and sealed by Javad Ahmad, P. E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94

along with marked-up drawings and installation diagram of mulled aluminum fixed/casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2205A**, dated 11/10/08, signed and sealed by Candido F. Font, P. E.

### (Submitted under previous NOA No. 09-0518.06)

2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94 along with marked-up drawings and installation diagram of aluminum projected-in window, prepared by Hurricane Engineering & Testing Inc., Test Reports No.'s HETI-07-4217, HETI-07-4240, HETI-07-4241, HETI-07-4389, HETI-08-2234, HETI-08-2205A and HETI-08-2153A, dated 10/08/07, all signed and sealed by Candido F. Font, P. E.

#### (Submitted under previous NOA No. 09–1228.06)

- 3. Test reports on: 1) Large Missile Impact Test, per FBC, TAS 202–94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 202–94 along with marked-up drawings and installation diagram of mulled aluminum projected-in window, prepared by Hurricane Engineering & Testing Inc., Test Reports No.'s HETI-07-4218, HETI-07-4299, HETI-07-4220, HETI-08-2205B and HETI-08-2206, dated 10/08/07, 07/25/08, and 11/10/08, all signed and sealed by Candido F. Font, P. E.

#### (Submitted under previous NOA's No.'s 09-1228.06 and 09-0518.06)

- 4. Test reports on: 1) Large Missile Impact Test, per FBC, TAS 202–94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 202-94

along with marked-up drawings and installation diagram of mulled aluminum fixed/casement window, prepared by Hurricane Engineering & Testing Inc., Test Report's No.'s HETI-04-1918A, HETI-04-1918B, HETI-04-1918C, HETI-04-1918D and HETI-04-1918E, all dated 09/28/04, revised on 03/16/05, all signed and sealed by Ivonne Ghia, P. E.

(Submitted under previous NOA No. 05-0414.01)

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 13-0206.09

Expiration Date: October 13, 2015 Approval Date: May 09, 2013

# Sol-A-Trol Aluminum Products, Inc.

# **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

#### B. TESTS (CONTINUED)

- 5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94

along with marked-up drawings and installation diagram of mulled aluminum fixed/casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report's No.'s **HETI-04-1409** and **HETI-04-1410**, both dated 09/28/04, revised on 03/16/05, both signed and sealed by Ivonne Ghia, P. E.

(Submitted under previous NOA No. 05-0414.01)

#### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC, prepared by Al-Farooq Corporation, dated 11/30/09, signed and sealed by Javad Ahmad, P. E.
- 2. Glazing complies with ASTM E1300-04

#### D. OUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

#### E. MATERIAL CERTIFICATIONS

1. None.

#### F. STATEMENTS

- 1. Statement letter of no financial interest, conformance and complying with FBC-2010, issued by Al-Farooq Corporation, dated 07/19/13, signed and sealed by Javad Ahmad, P. F.
- 2. Department of State Certification of Sol-A-Trol Aluminum Products, Inc. as a for profit corporation, active and organized under the laws of the State of Florida, dated 12/28/06 and signed by Kurt S. Browning, Secretary of State.

  (Submitted under previous NOA No. 09-0518.06)
- 3. Laboratory compliance letter for Test Reports No.'s HETI-08-2089A, HETI-07-4217, HETI-07-4240, HETI-07-4241, HETI-07-4389, HETI-08-2234, HETI-07-4218, HETI-07-4299, HETI-07-4220, HETI-08-2206, HETI-08-2205A, HETI-08-2205B and HETI-08-2153A, prepared by Hurricane Engineering & Testing, Inc., all dated 10/08/07, 07/25/08, and 11/10/08, all signed and sealed by Candido F. Font, P. E.

(Submitted under previous NOA's No.'s 09-1228.06 and 09-0518.06)

Jaime D. Gascon, P. E. Product Control Section Supervisor NOA No. 13-0206.09

Expiration Date: October 13, 2015

Approval Date: May 09, 2013

# Sol-A-Trol Aluminum Products, Inc.

# **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

# F. STATEMENTS (CONTINUED)

4. Laboratory compliance letter for Test Reports No.'s HETI-04-1409, HETI-04-1918A, HETI-04-1918B, HETI-04-1918C, HETI-04-1918D, HETI-04-1918E and HETI-04-1410, prepared by Hurricane Engineering & Testing Inc., all dated 09/28/04, revised on 03/16/05, all signed and sealed by Ivonne Ghia, P. E.

(Submitted under previous NOA No. 05-0414.01))

# G. OTHERS

1. Notice of Acceptance No. 10-0511.05, issued to Sol-A-Trol Aluminum Products, Inc. for their Series "Unclipped Aluminum Zero, Custom & Tube Mullion - L.M.I.", approved on 10/13/10 and expiring on 10/13/15.

Jaime D. Gascon, P. E. Product Control Section Supervisor

NOA No. 13-0206.09

Expiration Date: October 13, 2015 Approval Date: May 09, 2013

# UNCLIPPED ALUMINUM MULLION WINDOW FRAME MEMBER INCLUDED IN PROPERTIES

ZERO MULLION (ARSO-168) TO BE USED WITH SERIES 3000/3062 FIXED, CASEMENT AND PROJECTED WINDOWS MULLION (ARSO-6) TO BE USED WITH SERIES 540 FIXED, SINGLE HUNG AND PROJECTED WINDOWS. FOR WINDOWS IMPACT AND LOAD RATINGS SEE CORRESPONDING NOA'S.
LOWER DESIGN PRESSURE FROM WINDOW APPROVALS OR MULLION CHARTS WILL APPLY TO ENTIRE SYSTEM.

#### NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.),

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE MULLIONS ARE RATED FOR LARGE & SMALL MISSILE IMPACT

NOTE: MULLIONS MAY BE USED TO ATTACH 2 OR MORE WINDOWS TOGETHER

	INDEX OF DRAWING
SHEET NO.	DESCRIPTION
1	GENERAL NOTES, INSTRUCTIONS AND INDEX OF DRAWINGS
2	PARTS DRAWING
3	DESIGN LOAD CAPACITY TABLE ARSO-168 ZERO MULLION WITH SERIES 3000/3062 FRAMES
4	DESIGN LOAD CAPACITY TABLE 1 X 4 X 1/8" ALUM TUBE MULLION WITH SERIES 3000/3062 FRAMES
5	DESIGN LOAD CAPACITY TABLE 1 X 4 X 1/8" ALUM TUBE MULLION WITH SERIES 535 FRAMES
6	DESIGN LOAD CAPACITY TABLE ARSO-6 CUSTOM MULLION WITH SERIES 535 FRAMES
7	DESIGN LOAD CAPACITY TABLE ARSO-6 CUSTOM MULLION WITH SERIES 540 FRAMES
8	ANCHORING DETAILS FOR ARSO-168 MULLION AND SERIES 3000/3062 FRAMES
9	ANCHORING DETAILS FOR 1 X 4 X 1/8" TUBE MULLION AND SERIES 535 FRAMES
10	ANCHORING DETAILS FOR ARSO-6 CUSTOM MULLION AND SERIES 540 FRAMES

# **INSTRUCTIONS:**

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.

STEP 2 USE CONNECTION OF WINDOWS TO MULLION AS PER PRODUCT APPROVAL.

STEP 3 USING CHARTS ON SHEETS 3 THRU 7 SELECT MULLION TYPE AND ANCHOR QUANTITIES WITH DESIGN RATING MORE THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 4 CAPACITY OF SELECTED SOLATROL'S WINDOWS AND MULLION MUST EQUAL OR EXCEED REQUIRED LOADS.

PRODUCT REVISED
as complying with the Plotida
Building Code
Acceptance No 13 - 98/20/5

By March Dade Product Control

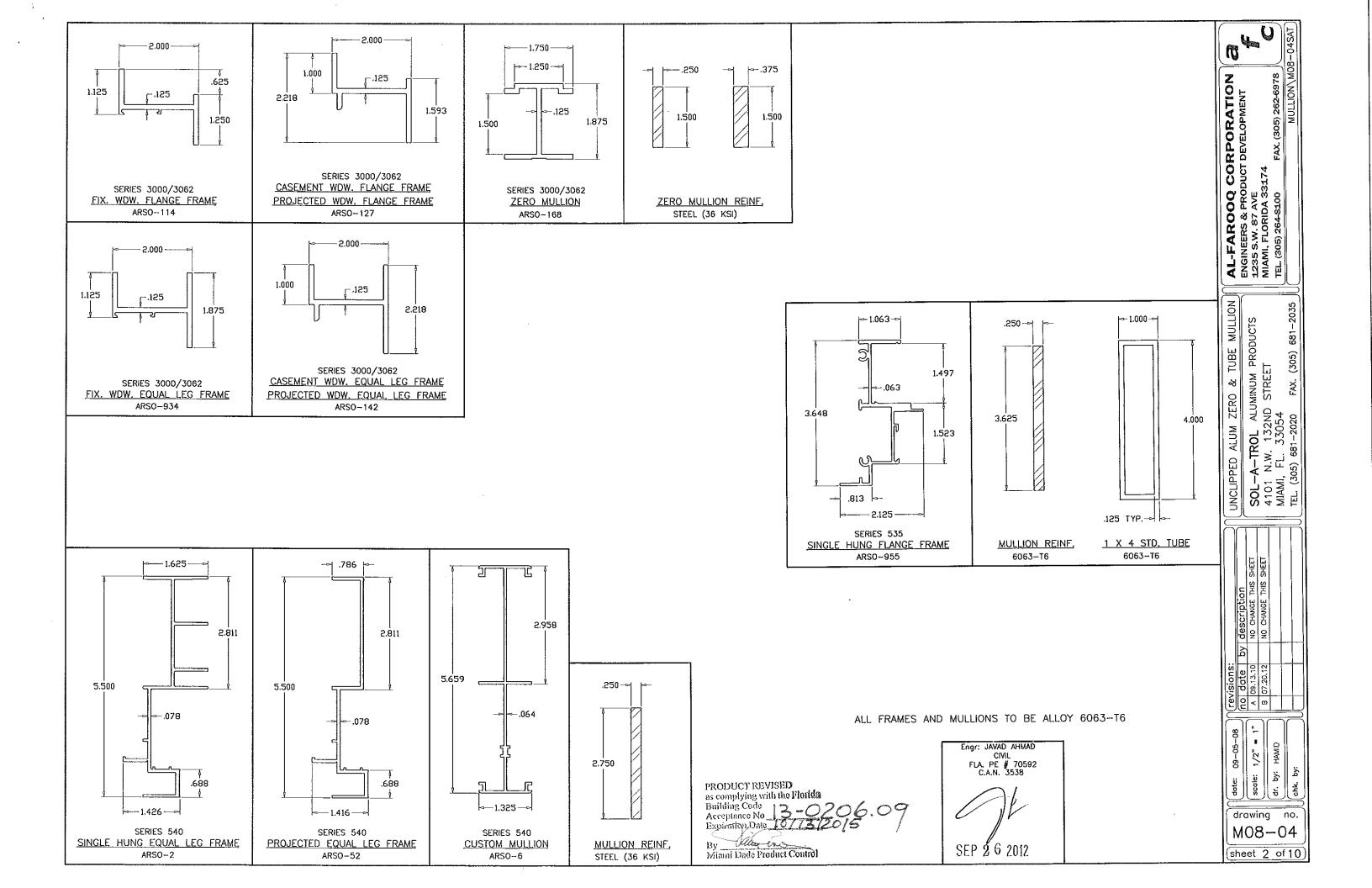
Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
FEB. 2 0 2013

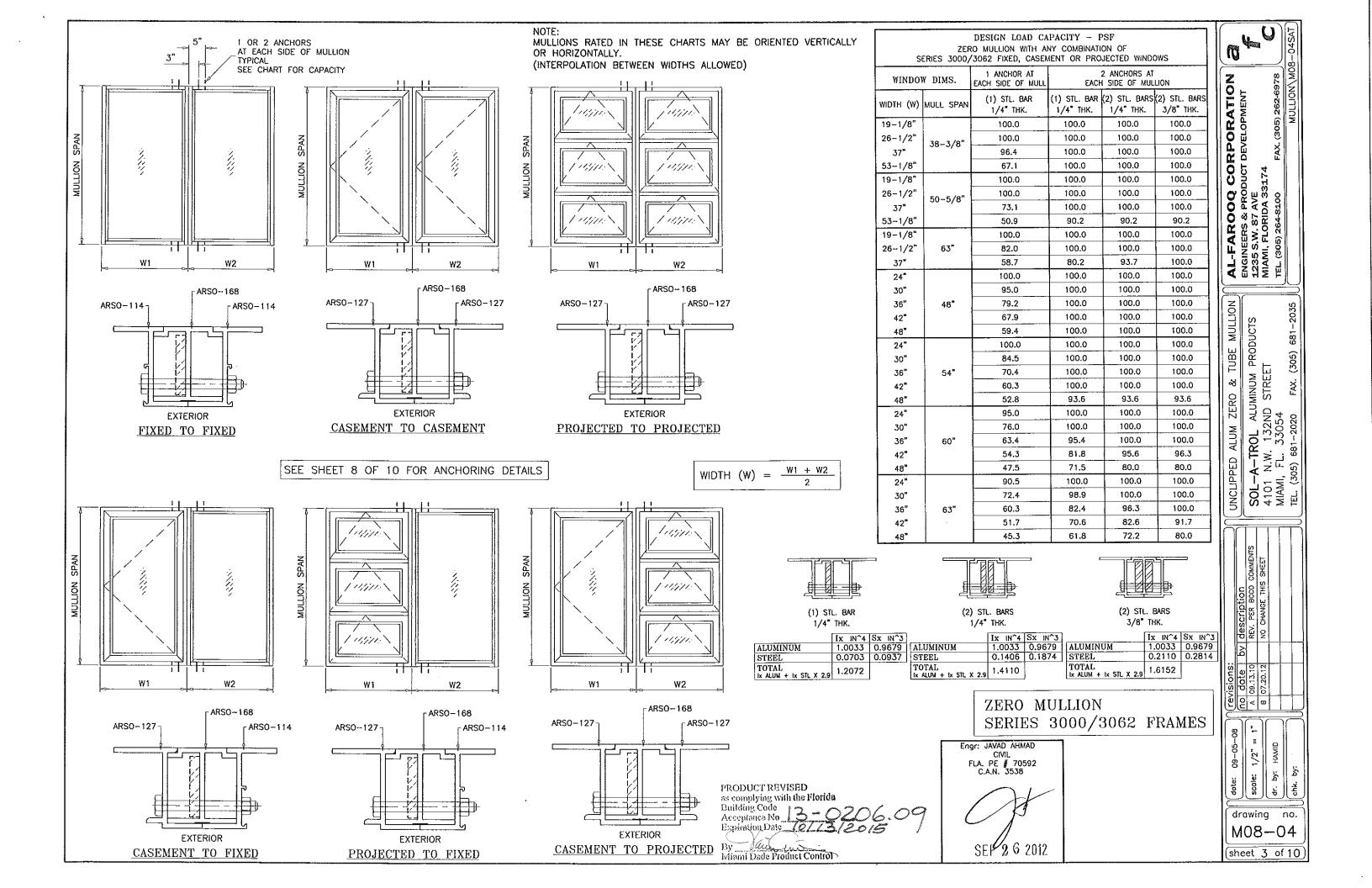
RO & TUBE MULLION  ENGINEERS & PRODUCT DEVELOPMENT  ENGINEERS & PRODUCT DEVELOPMENT  1235 S.W. 87 AVE  MIAMI, FLORIDA 33174  TEL. (305) 264-8100  FAX. (305) 681-2035  MULLION\M08-C	JM ZERO & TUBE MULLION         AL-FAROOQ CORPORATION           L ALUMINUM PRODUCTS         ENGINEERS & PRODUCT DEVELOPMENT           32ND STREET         1235 S.W. 87 AVE           32ND STREET         MIAMI, FLORIDA 33174           2054         FAX. (305) 262-6978           2020         FAX. (305) 681-2035	AL-FAROOQ CORPORATION   AL-FAROOQ CORPORATION   ENGINEERS & PRODUCT DEVELOPMENT	AL-FAROOQ CORPOI ENGINEERS & PRODUCT DEVELC 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (30	UNCLIPPED ALUM ZERO & TUBE MULLION   AL-FAROOQ CORPORATION   SOL—A—TROL ALUMINUM PRODUCTS   1235 S.W. 87 AVE   4101 N.W. 132ND STREET   MIAMI, FL. 33054   TEL. (305) 681-2035   EL. (305) 681-2035   MULLION/MC	CO COMMENTS ZO10 FBC	CO COMMENTS ZO10 FBC		Coloradors:   Coloradors   Co	2010 FBC
RO & TUBE MULLION MINUM PRODUCTS STREET FAX. (305) 681–2035	JM ZERO & TUBE MULLION  L ALUMINUM PRODUCTS 32ND STREET 3054 -2020 FAX. (305) 681–2035	PED ALUM ZERO & TUBE MULLION  A_TROL ALUMINUM PRODUCTS  N.W. 132ND STREET  FL. 33054  S) 681–2035	UNCLIPPED ALUM ZERO & TUBE MULLION  SOL—A—TROL ALUMINUM PRODUCTS 4101 N.W. 132ND STREET  MIAMI, FL. 33054  TEL. (305) 681-2020 FAX. (305) 681-2035	UNCLIPPED ALUM ZERO & TUBE MULLION   SOL—A—TROL ALUMINUM PRODUCTS   4101 N.W. 132ND STREET   MIAMI, FL. 33054   TEL. (305) 681–2020 FAX. (305) 681–2035	2010 FBC	2010 FBC	2010 FBC	Tevisions:	Tevisions:
RO & TUBE MULLION MINUM PRODUCTS STREET FAX. (305) 681-2035	JM ZERO & TUBE MULLION  L ALUMINUM PRODUCTS 32ND STREET 3054 -2020 FAX. (305) 681–2035	PED ALUM ZERO & TUBE MULLION 4—TROL ALUMINUM PRODUCTS N.W. 132ND STREET FL. 33054 IS) 681-2026	UNCLIPPED ALUM ZERO & TUBE MULLION SOL—A—TROL ALUMINUM PRODUCTS 4101 N.W. 132ND STREET MIAMI, FL. 33054 TEL. (305) 681–2020 FAX. (305) 681–2035	UNCLIPPED ALUM ZERO & TUBE MULLION   SOL—A—TROL ALUMINUM PRODUCTS   4101 N.W. 132ND STREET   MIAMI, FL. 33054   TEL. (305) 681–2035	CO COMMENTS ZO10 FBC	CO COMMENTS ZO10 FBC	CO COMMENTS ZO10 FBC	revisions:	revisions:
	JM ZE L ALL 32ND 3054 -2020	PED ALUM ZE <b>4—TROL</b> ALL N.W. 132ND FL. 33054 5) 681–2020	SOL—A—TROL ALL 4101 N.W. 132ND MIAMI, FL. 33054 TEL. (305) 881-2020	SOL—A—TROL ALU 4101 N.W. 132ND MIAMI, FL. 33054 TEL. (305) 681-2020	CO COMMENTS ZO10 FBC	CO COMMENTS ZO10 FBC	CO COMMENTS ZO10 FBC	Cevisions:	Cevisions:

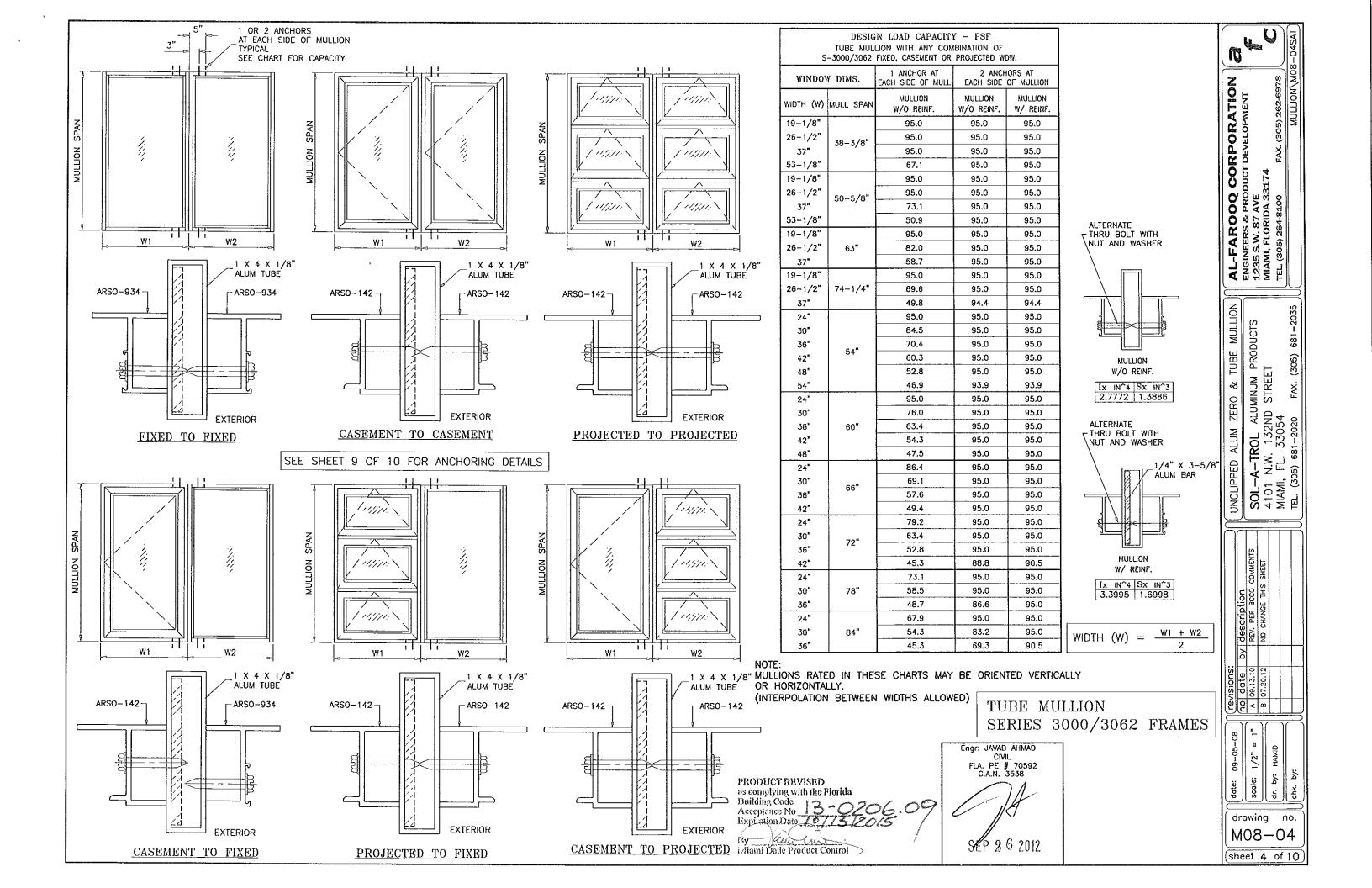
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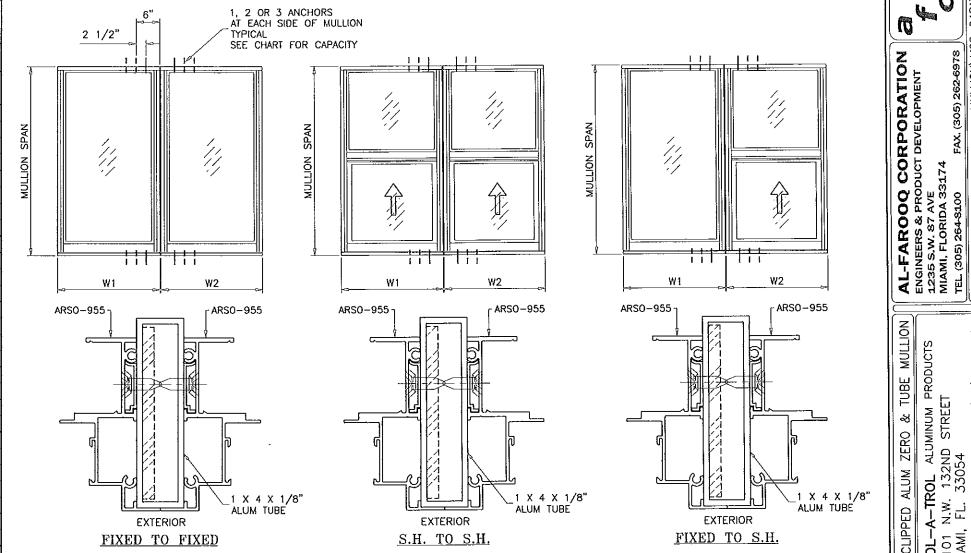
sheet 1 of 10







		DESIGN LO TUBE MULLION 1 SERIES 535 FIXED		MBINATION OF				2 1/2"   6"
WINDO	W DIMS.	1 ANCHOR AT EACH SIDE OF MULL	2 ANCH		3 ANCHI EACH SIDE (		- <u>A</u>	
WIDTH (W)	MULL SPAN	MULLION W/O REINF.	MULLION W/O REINF.	MULLION W/ REINF.	MULLION W/O REINF.	MULLION W/ REINF.		
19-1/8"		100.0	100.0	100.0	100.0	100.0		
26-1/2"	50-5/8"	100.0	100.0	100.0	100.0	100.0	곻	
37"	00 0,0	73.1	100.0	100.0	100.0	100.0	SPAN	
53-1/8"		50.9	100.0	100.0	100.0	100.0	Z	
19-1/8"		100.0	100.0	100.0	100.0	100.0	MULLION	
26-1/2"	63"	82.0	100.0	100.0	100.0	100.0	≥	
37"	63	58.7	100.0	100.0	100.0	100.0		Average and the second
53-1/8"		40.9	81.8	81.8	100.0	100.0		
19-1/8"		96.4	100.0	100.0	100.0	100.0		
26-1/2"	74-1/4"	69.6	100.0	100.0	100.0	100.0	Ψ	-
37"	/4-1/4	49.8	99.6	99.6	100.0	100.0		104
53-1/8"		34.7	69.4	69.4	95.5	100.0		W1
24"		86.4	100.0	100.0	100.0	100.0		ARSO-955 n
30"		69.1	100.0	100.0	100.0	100.0		Fa
36 <b>"</b>		57,6	100.0	100.0	100.0	100.0		
42"	**	49.4	98.7	98.7	100.0	100.0		
48"	66"	43,2	86.4	86.4	100.0	100.0		
53-1/8"		39.0	78.1	78.1	100.0	100.0		
54"		38.4	76.8	76.8	100.0	100.0		
60"		34.6	69.1	69.1	100.0	100.0		
24"		79.2	100.0	100.0	100.0	100.0		
30"		63.4	100.0	100.0	100.0	100.0		
36"		52.8	100.0	100.0	100.0	100.0		
42"	72"	45.3	90.5	90.5	100.0	100.0		~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
48"		39.6	79.2	79.2	100.0	100.0		
53-1/8"		35.8	71.6	71.6	100.0	100.0		EXTERIO
54"		35.2	70.4	70.4	100.0	100.0		FIXED TO
24"		73.1	100.0	100.0	100.0	100.0		TIAED IV
30"		58.5	100.0	100.0	100.0	100.0		
36"		48.7	97.5	97.5	100.0	100.0		
42"	78"	41,8	83.6	83.6	100.0	100.0		
48"	, ,	36.6	73.1	73.1	91.2	100.0		
53-1/8"		33.0	66.1	66.1	82.4	99.1		_
54"		32.5	65.0	65.0	81.0	97.5		
24"		71,3	100.0	100.0	100.0	100.0		
30"		57.0	100.0	100.0	100.0	100.0		
36"		47.5	95.0	95.0	100.0	100.0		
42*	80"	40.7	81.5	81.5	96.6	100.0		
	ł							1914 . 1970
i					<del></del>		WIDT	$H(W) = \frac{W1 + W2}{2}$
48" 53-1/8"		35.6 32.2	71.3	71.3 64.4	84.5 76.4	TH	WIDT TERNATE IRU BOLT JT AND WA	



SEE SHEET 9 OF 10 FOR ANCHORING DETAILS

NATE BOLT WITH WD WASHER

MULLION W/O REINF.

Ix IN^4 Sx IN^3 3.8676 1.9338

Ix IN^4 Sx IN^3 4.8600 2.4300

MULLION

W/ REINF.

PRODUCT REVISED as complying with the Florida

Acceptance No By face Ly Miami Dade Product Control

NOTE:
MULLIONS RATED IN THESE CHARTS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY. (INTERPOLATION BETWEEN WIDTHS ALLOWED)

TUBE MULLION SERIES 535 FRAMES

Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538 SEP 2 6 2012

SOL—A—TROL ALUMINUM PRODUCTS
4101 N.W. 132ND STREET
MIAMI, FL. 33054
TEL. (305) 681-2020 FAV date: 09-05-1 scale: 1/2" = dr. by: HAMID chk. by: drawing no.

681-2035

M08 - 04

sheet 5 of 10

	CUSTOM MULLION W/O REINF. SERIES 540 S.H. WINDOWS						
<del></del>	W DIMS.	1 ANCHOR AT EACH SIDE OF MULLION	2 ANCHORS AT EACH SIDE	3 ANCHORS AT EACH SIDE			
19-1/8"	MULL SPAN		OF MULLION	OF MULLION			
26-1/2"		75.0	75.0	75.0			
37"	50-5/8"	75.0	75.0	75.0			
53~1/8"		73.1	75.0	75.0			
19-1/8"		50.9	75.0	75.0			
1		75.0	75.0	75.0			
26-1/2"	63"	75.0	75.0	75.0			
37"		58.7	75.0	75.0			
53~1/8"		40.9	75.0	75.0			
19-1/8"		75.0	75.0	75.0			
26-1/2"	74-1/4"	69.6	75.0	75.0			
37"		49.8	75.0	75.0			
53-1/8"		34.7	69.4	75.0			
24"		75.0	75.0	75.0			
30"		60.0	75.0	75.0			
36"		50.0	75.0	75.0			
42"	76"	42.9	75.0	75.0			
48"		37.5	75.0	75.0			
54"		33.3	66.7	75.0			
60"		30.0	60.0	75.0			
24*		67. <del>9</del>	75.0	75.0			
30°		54.3	75.0	75.0			
36"	84"	45.3	75.0	75.0			
42"	07	38.8	75.0	75.0			
48"		33.9	67.9	75.0			
54"		30.2	60.3	75.0			
24"		63.4	75.0	75.0			
30"		50.7	75.0	75.0			
36"	90"	42.2	75.0	75.0			
42"		36.2	72.4	75.0			
48"		31.7	63.4	75.0			
24"		59.4	75.0	75.0			
30"		47.5	75.0	75.0			
36"	96"	39.6	75.0	75.0			

33.9

29.7

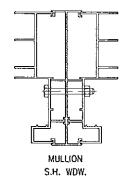
42"

48"

DESIGN LOAD CAPACITY - PSF

1, 2 OR 3 ANCHORS AT EACH SIDE OF MULLION TYPICAL SEE CHART FOR CAPACITY
MULLION SPAN
N
w1 W2
ARSO-2  ARSO-2  ARSO-2  FYIEDOD
EXTERIOR S.H. TO S.H.

W1 + W2



67.9

59.4

75.0

75.0

Ix IN^4 Sx IN^3 8.8317 3.0129

WIDTH (W) =

CUSTOM MULLION SERIES 540 FRAMES

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-0206.09
Expiration Date 10/13/2015

By date Luci Miand Dade Product Control

SEE SHEET 10 OF 10 FOR ANCHORING DETAILS

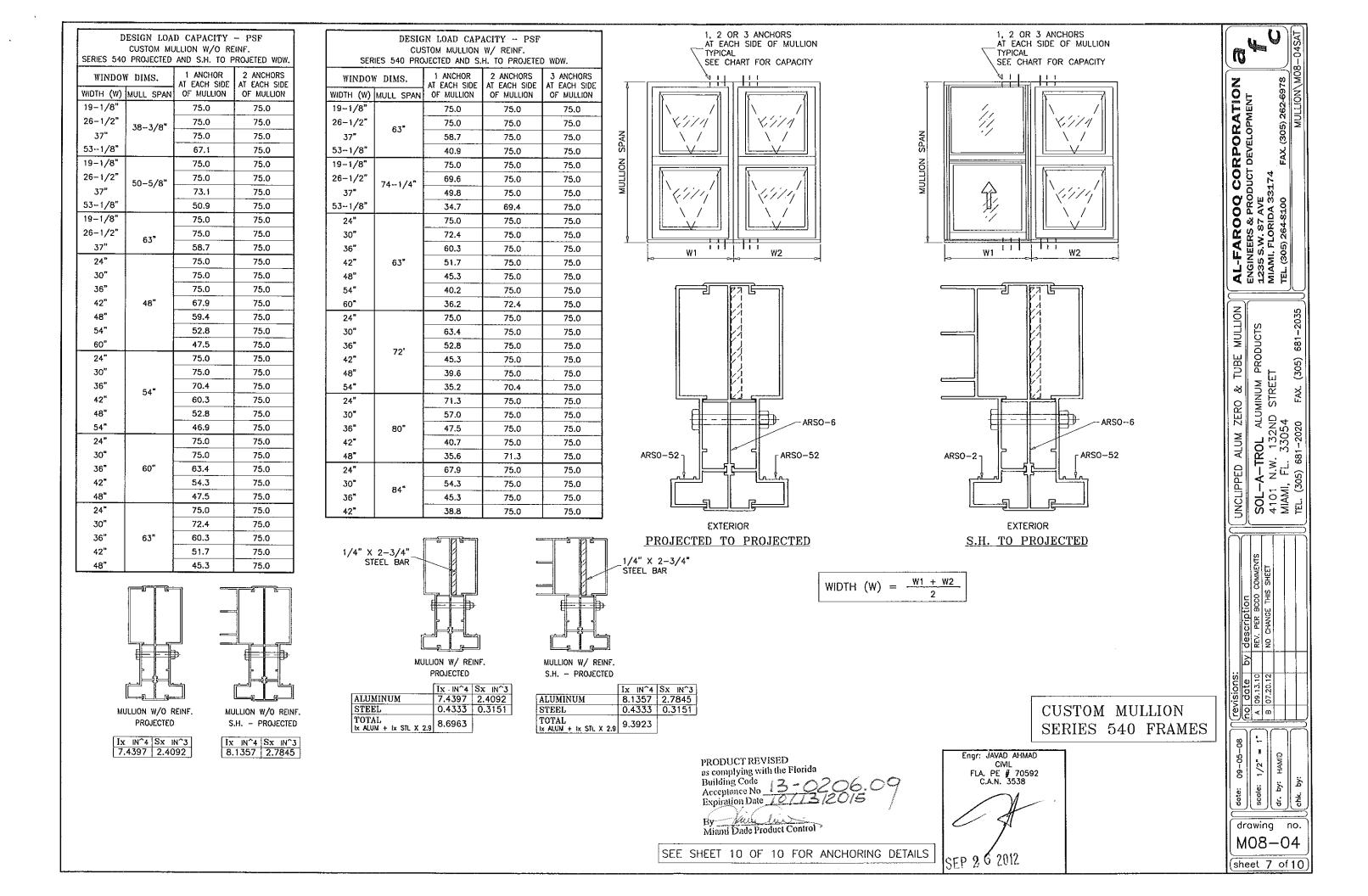
Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

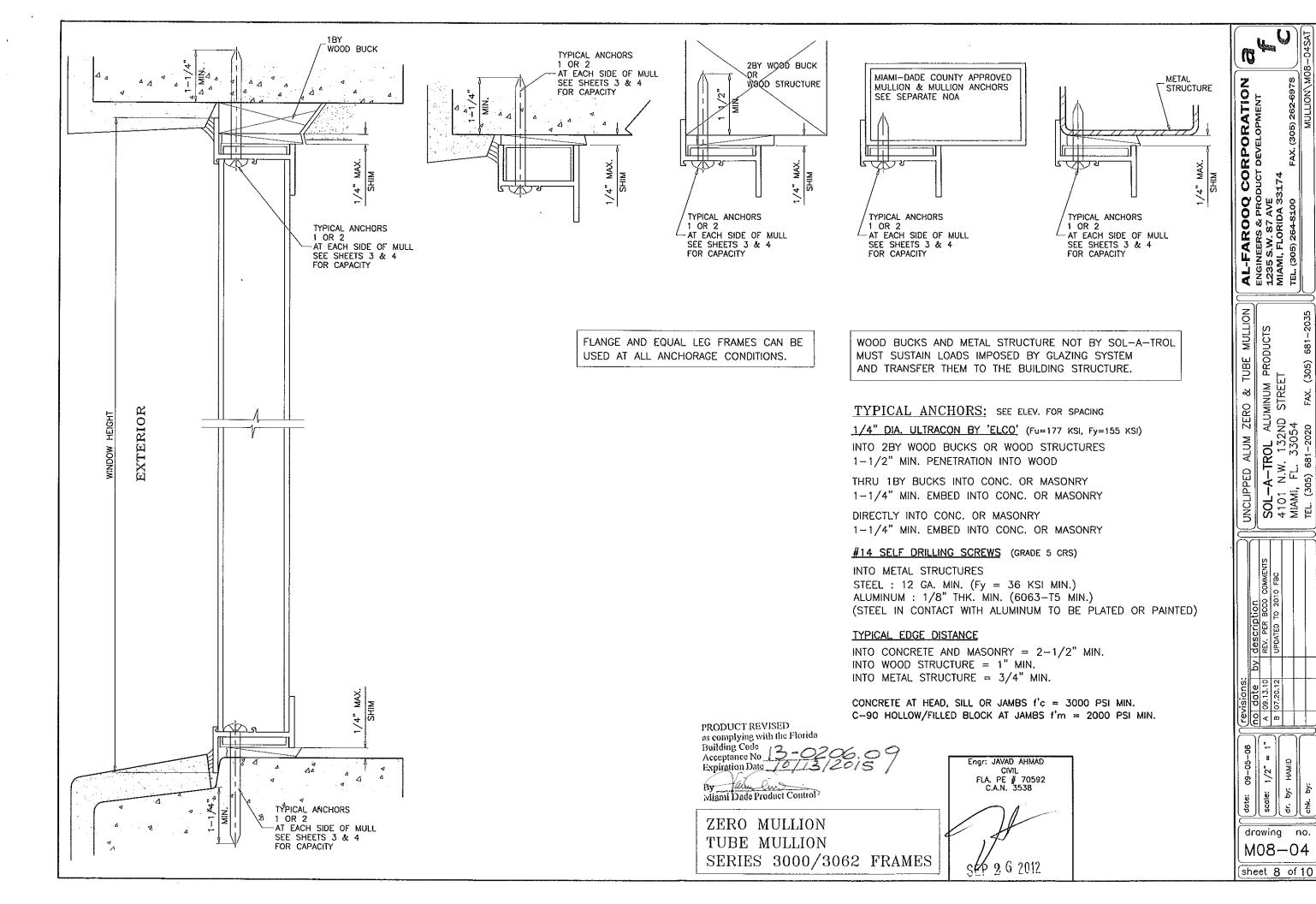
SOL—A—TROL ALUMINUM PRODUCTS
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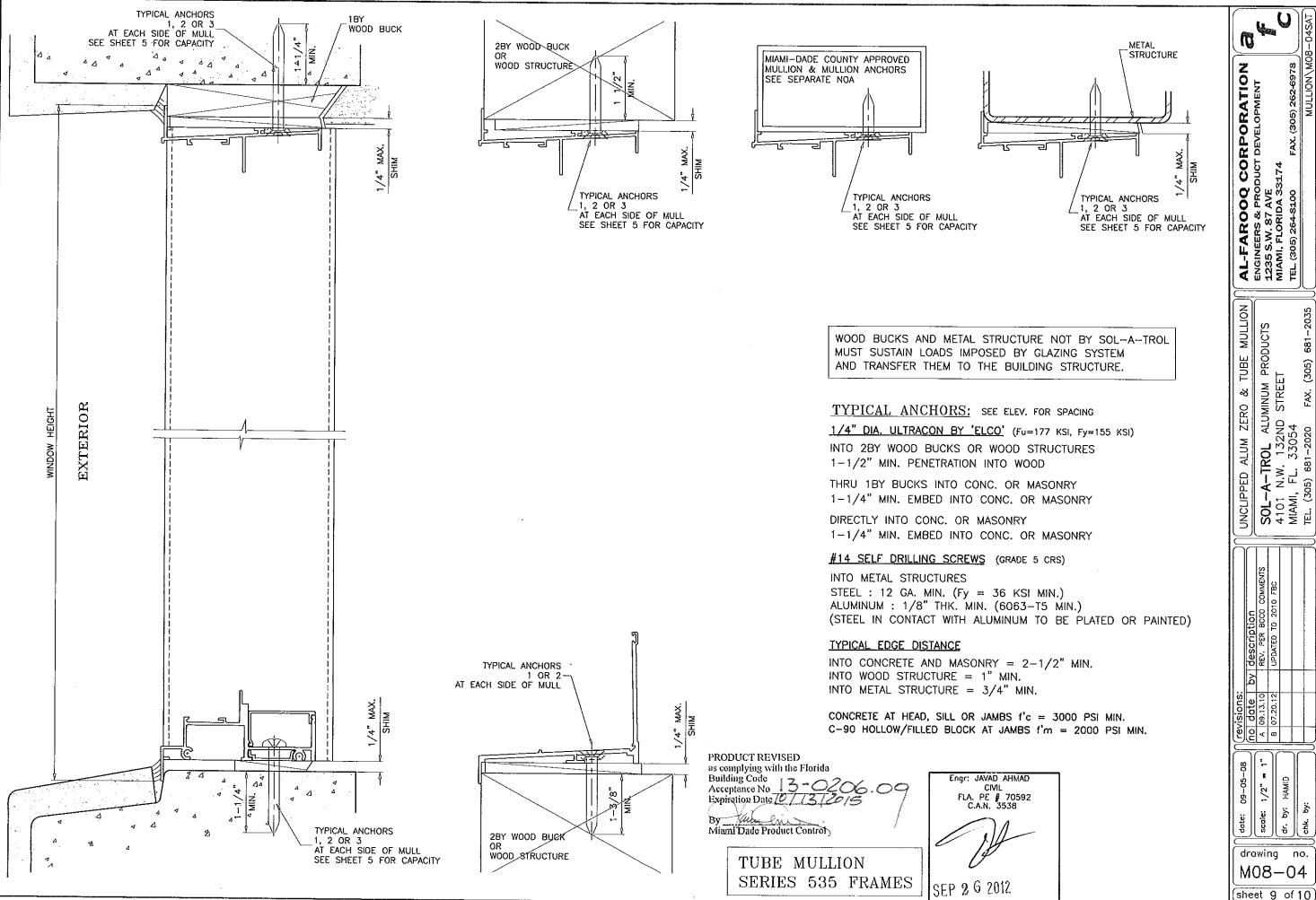
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sheet 6 of 10

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